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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/021,958	12/14/2001	Jari Vallstrom	413-010736-US(PAR)	1837

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FAIRFIELD, CT 06824

EXAMINER

POWERS, WILLIAM S

ART UNIT	PAPER NUMBER
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2134

DATE MAILED: 11/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/021,958

Applicant(s)

VALLSTROM, JARI

Examiner

William S. Powers

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2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 3 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1,2 and 4-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 December 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

In light of Applicant's amendment, the previous 35 USC 112, 1st paragraph rejections of claims 1, 2 and 4-17 are withdrawn.

In light of Applicant's amendment, the previous 35 USC 112, 2nd paragraph rejections of claims 4-6 are withdrawn.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

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3. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,933,785 to Tayloe in view of "Realization of a Mobile Data Application in TETRA" by Lammerts et al. (hereto referred to as Lammerts).

As to claim 1, Tayloe teaches:

- a. A memory for storing a different personal identification code for each user of the terminal (data is stored in a SIM of a mobile terminal (column 3, lines 39-45) that includes PINs for each universal number (column 5, lines 55-59)).
- b. A processor for carrying out user identification during login by means of a user input before permitting use of the terminal, said user input comprising the personal identification code of a respective one of the users (user must enter the correct PIN code for user's account with the keypad of a mobile terminal to activate said mobile terminal) (column 2, line 59-column 3, line 7).

Tayloe teaches user specific identification (column 3, lines 45-49), but does not specifically teach the use of a user specific ITSI code. However, in an analogous art, Lammerts teaches:

- c. Wherein the SIM card connects the terminal to the cellular network after successful user identification by utilizing an Individual TETRA Subscriber Identification code of the SIM card (Lammerts, page 248, paragraph 2).

Therefore, it would be obvious to one with ordinary skill in the art at the time the invention was made to use the generic PIN codes of Tayloe with the specific ITSI code

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of Lammerts in order to identify each entity in a TETRA network as suggested by Lammerts (page 248, paragraph 2).

As to claim 2, Tayloe as modified teaches the SIM card further comprises means for storing data used in a shared manner by all users of said terminal (data on available networks) (Tayloe, column 4, lines 45-50).

As to claim 4, Tayloe as modified teaches said personal identification code required in the identification of a user comprises at least one of the following codes: user-specific PIN code, user-specific PUK code (PIN code is entered to unlock SIM card) (Tayloe, column 2, lines 61-65).

As to claim 5, Tayloe as modified teaches said personal identification code required in the identification of a user further comprises at least one user-specific password (PIN code is entered to unlock SIM card) (Tayloe, column 2, lines 61-65).

As to claim 7, Tayloe as modified teaches the SIM card further comprises at least one encryption key used in user-specific authentication (Tayloe, column 3, 39-49).

As to claim 8, Tayloe as modified teaches the SIM card further comprises user-specific encryption keys used to encrypt a connection (Tayloe, column 3, lines 62-65).

As to claim 9, Tayloe as modified teaches the SIM card further comprises other user-specific data needed in the operation of the terminal (Tayloe, column 4, lines 50-55).

As to claim 10, Tayloe as modified teaches said SIM card is arranged so as to be used in a terminal of a network used especially by authorities (Lammerts, page 247, paragraph 3).

As to claim 11, Tayloe teaches:

- a. A terminal is shared between different users having different personal identification codes (data is stored in a SIM of a mobile terminal (column 3, lines 39-45) that includes PINs for each universal number (column 5, lines 55-59)).
- b. Said terminal is arranged so as to perform user identification during login (user must enter correct PIN code for user's account with the keypad of a mobile terminal to activate said mobile terminal) (Tayloe, column 2, line 59-column 3, line 7) before allowing a connection of the terminal to the cellular network by an Individual TETRA Subscriber Identification code of the SIM card (Lammerts, page 248, paragraph 2).
- c. Enabling the SIM card to identify one user from at least two users entitled to use the terminal on the basis of at least one user-specific identification code which the user inputs during login (Tayloe, column 3, lines 55-65).

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- d. Said user-specific identification code is the personal identification code of the user (PIN code is entered to unlock SIM card) (Tayloe, column 2, lines 61-65).

As to claim 12, Tayloe as modified teaches the terminal is a terminal of a radio network of an authority (Lammerts, page 247, paragraph 3).

As to claim 13, Tayloe as modified teaches the terminal is operative to function in a cellular TETRA network (Lammerts, page 247, paragraph 3).

As to claim 14, Tayloe as modified teaches:

- a. A user of the terminal is identified during login on the basis of a personal identification code which the user inputs (user must enter the correct PIN code for user's account with the keypad of a mobile terminal to activate said mobile terminal) (Tayloe, column 2, line 59-column 3, line 7).
- b. The user identification is carried out by matching the personal identification code given by the user against identification codes of different users stored on a SIM card of the terminal (user must enter the correct PIN code for user's account with the keypad of a mobile terminal to activate said mobile terminal (Tayloe, column 2, line 59-column 3, line 7) each user has a PIN code for his/her account on the SIM card (Tayloe, column 5, lines 55-64)).
- c. The personal identification code given by the user of the terminal is among the said identification codes stored in the SIM card (user must enter correct PIN

code for user's account with the keypad of a mobile terminal to activate said mobile terminal) (Taylor, column 2, line 59-column 3, line 7), to allow connection of the terminal to the cellular network by utilizing an Individual TETRA Subscriber Identification code of the SIM card (Lammerts, page 248, paragraph 2).

As to claim 15, Taylor as modified teaches said personal identification code which entitles the user to use the terminal, is a PIN code (PIN code is entered to unlock SIM card) (Taylor, column 2, lines 61-65).

As to claim 16, Taylor as modified teaches a step in which the user of the terminal is requested for a second additional identifier/password for activating the terminal (Taylor, column 5, lines 57-59).

4. Claim 17 rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,933,785 to Taylor as applied to claim 14 above, and further in view of US Patent No. 6,513,719 to Imura.

As to claim 17, Taylor as modified teaches the use of a PIN code to access the network (Taylor, column 2, lines 61-65), but does not specifically teach the use of a PUK code. However, in an analogous art, Imura teaches if the person trying to activate the terminal enters more than a predetermined number of times a wrong identification code as a response to the said identification code requests, the user must enter a

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persona PUK code before user identification can be continued (Imura, column 13, lines 5-34).

Therefore, it would be obvious to one of ordinary skill in the art at the time the invention was made to use SIM card with multiple users with multiple numbers of Tayloe with the PUK code of Imura as a second layer of security for the account to limit the number of attempts to access a particular user account.

Response to Arguments

5. Applicant's arguments filed 9/8/2006 have been fully considered but they are not persuasive.

As to Applicant's argument that Tayloe does not teach a SIM card dealing with several user PIN codes, Applicant is directed to column 3, lines 55-61 and column 5, lines 55-59 of the Tayloe patent. Clearly, the Tayloe patent anticipates multi-users on a single SIM card. In addition, Tayloe anticipates different PINs that activate different universal numbers.

Conclusion

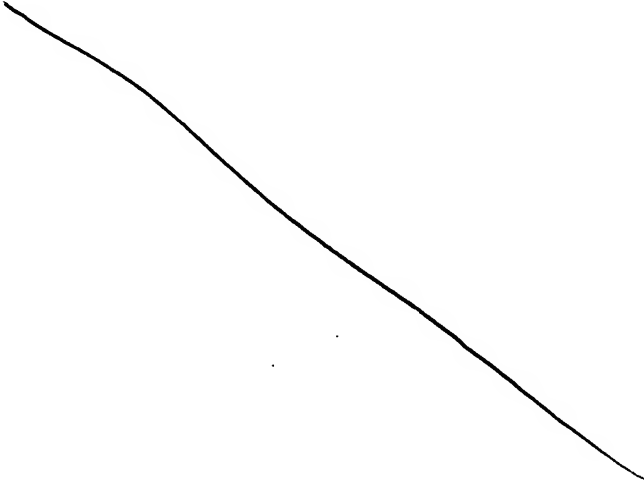
6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William S. Powers whose telephone number is 751 272 8573. The examiner can normally be reached on m-f 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571 272 3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



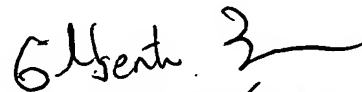
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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



11/13/2006

William S. Powers
Examiner
Art Unit 2134



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